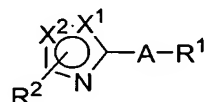


**AMENDMENTS TO THE CLAIMS**

**This listing of claims will replace all prior versions and listings of claims in the application:**

**LISTING OF CLAIMS:**

1. (original) A thiazole derivative represented by the formula



or a pharmaceutically acceptable salt thereof,

wherein:

X<sup>1</sup> and X<sup>2</sup> are different from each other and represent a sulfur atom or a carbon atom;

R<sup>1</sup> represents a phenyl group;

a phenyl group substituted with 1 to 5 members selected from the group consisting of halogen atoms, alkyl groups having 1 to 6 carbon atoms, alkoxy groups having 1 to 6 carbon atoms, a hydroxy group, phenylalkoxy groups having 7 to 12 carbon atoms, and alkylamino groups having 1 to 6 carbon atoms;

a phenyl group condensed with a 5 to 7 membered hetero aromatic or non-aromatic ring having at least one hetero atom selected from the group consisting of N, O, and S;

a pyridyl group;

a quinolyl group;

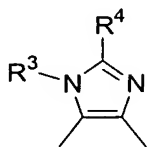
an isoquinolyl group; or

a pyridyl group condensed with a 5 to 7 membered hetero aromatic ring having at least one hetero atom selected from the group consisting of N, O, and S;

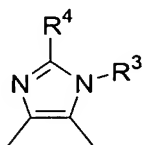
R<sup>2</sup> represents a hydrogen atom, a halogen atom, an alkyl group having 1 to 6 carbon atoms,

an alkyl group having 1 to 6 carbon atoms substituted with 1 to 5 halogen atoms, an alkoxy group having 1 to 6 carbon atoms, an alkanoyl group having 1 to 6 carbon atoms, or a hydroxyalkyl group having 1 to 5 carbon atoms; and

A represents a group which is represented by the formula



or



wherein:

R<sup>3</sup> represents a hydrogen atom;

a hydroxy group;

an alkyl group having 1 to 6 carbon atoms;

a phenylalkyl group having 7 to 12 carbon atoms; or

a phenylalkyl group having 7 to 12 carbon atoms, substituted with a hydroxy group, an alkoxy group having 1 to 6 carbon atoms, an alkoxy group having 1 to 6 carbon atoms substituted with an alkoxy group having 1 to 6 carbon atoms, or an alkoxy group having 1 to 6 carbon atoms substituted with an alkylamino group having 1 to 6 carbon atoms,

R<sup>4</sup> represents a phenyl group;

a phenyl group substituted with 1 to 5 members selected from the group consisting of halogen atoms, alkyl groups having 1 to 6 carbon atoms, alkoxy groups having

1 to 6 carbon atoms, a carbamoyl group, and a cyano group;

a hydrogen atom;

an alkyl group having 1 to 12 carbon atoms;

an alkenyl group having 2 to 12 carbon atoms;

a cycloalkyl group having 3 to 7 carbon atoms;

an alkyl group having 1 to 12 carbon atoms substituted with an alkoxy group having 1 to 6 carbon atoms, a hydroxy group, an alkoxyphenylalkoxy group having 8 to 12 carbon atoms, a phthalimidoyl group, a toluenesulfonyloxy group, or a morpholino group;

an alkyl group having 1 to 6 carbon atoms substituted with 1 to 5 halogen atoms;

a cycloalkyl group having 3 to 9 carbon atoms substituted with an oxo group;

a tetrahydropyranyl group;

a 4-piperidiny group;

a piperidiny group substituted with an alkyl group having 1 to 6 carbon atoms or a t-butoxycarbonyl group;

a cyclohexanespiro-2'-(1,3-dioxoranyl) group;

a pyrrolidin-2-one-5-yl group;

a group represented by the formula  $-Y^1-Z^1-NR^5-Z^2-Y^2-R^6$ ,

wherein:

$Y^1$  and  $Y^2$  are the same or different from each other and represent a single bond or an alkylene group having 1 to 12 carbon atoms;

$R^5$  represents a hydrogen atom or an alkyl group having 1 to 12 carbon atoms;

$Z^1$  and  $Z^2$  are the same or different from each other and represent a single bond;

an alkylene group having 1 to 7 carbon atoms;

-CO-;

-CO<sub>2</sub>-;

-SO<sub>2</sub>-; or

-OCO-, and

R<sup>6</sup> represents

a cycloalkyl group having 3 to 7 carbon atoms;

an alkyl group having 1 to 6 carbon atoms substituted with 1 to 3 halogen atoms;

an alkenyl group having 2 to 6 carbon atoms;

an alkynyl group having 2 to 6 carbon atoms;

an amino group;

an amino group substituted with 1 to 2 groups selected from the group consisting of an alkyl group having 1 to 6 carbon atoms, a cycloalkyl group having 3 to 7 carbon atoms, and a t-butoxycarbonyl group;

a piperidino group;

a piperidinyl group;

a piperidinyl group substituted with an alkyl group having 1 to 6 carbon atoms;

a pyrrolidinyl group;

a piperazinyl group;

a piperazinyl group substituted with an alkyl group having 1 to 6 carbon atoms;

a morpholino group;

a hydroxy group;

an alkoxy group having 1 to 6 carbon atoms;

an alkoxy group having 1 to 6 carbon atoms substituted by a hydroxy group or an alkoxy group having 1 to 6 carbon atoms;

an oxetan-2-yl group;  
a tetrahydrofuranyl group;  
a tetrahydropyranyl group;  
a hydrogen atom;  
a phenyl group;  
a phenyl group substituted with an alkoxy group having 1 to 4 carbon atoms;

or

a group that forms a ring when linked to the nitrogen atom of the above  
formula; or

a group represented by the formula  $-Y^3-CO-R^{41}$ ,

wherein:

$Y^3$  represents a single bond or an alkylene group having 1 to 7 carbon atoms,

$R^{41}$  represents

a hydroxy group;

an alkoxy group having 1 to 6 carbon atoms;

a piperidino group;

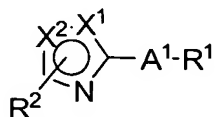
a piperazin-1-yl group substituted by an alkyl group having 1 to 6 carbon atoms, a morpholinoalkyl group having 5 to 10 carbon atoms, or an alkylaminoalkyl group having 2 to 14 carbon atoms; or

a morpholino group.

2. (original) The thiazole derivative or a pharmaceutically acceptable salt thereof according to claim 1, wherein  $R^2$  is a hydrogen atom, a halogen atom, an alkyl group having 1 to 6 carbon atoms or an alkyl group having 1 to 6 carbon atoms substituted with 1 to 5 halogen atoms.

3. (original) The thiazole derivative or a pharmaceutically acceptable salt thereof according to claim 1, wherein R<sup>2</sup> is an alkyl group having 1 to 6 carbon atoms or a trifluoromethyl group.
4. (original) The thiazole derivative or a pharmaceutically acceptable salt thereof according to claim 1, wherein R<sup>2</sup> is a methyl group or a trifluoromethyl group.
5. (currently amended) The thiazole derivative or a pharmaceutically acceptable salt thereof according to claim 1 ~~any one of claims 1 to 4~~, wherein R<sup>1</sup> is a phenyl group condensed with a 5 to 7 membered hetero aromatic or non-aromatic ring containing at least one hetero atom selected from the group consisting of N, O, and S.
6. (currently amended) The thiazole derivative or a pharmaceutically acceptable salt thereof according to claim 1 ~~any one of claims 1 to 5~~, wherein X<sup>1</sup> is a sulfur atom and X<sup>2</sup> is a carbon atom.
7. (currently amended) An ALK5 inhibitor having, as an active ingredient, the thiazole derivative or a pharmaceutically acceptable salt thereof according to claim 1 ~~any one of claims 1 to 6~~.
8. (currently amended) The ALK5 inhibitor according to claim 7, which is a therapeutic agent for glomerulonephritis, diabetic nephropathy, hepatic fibrosis, liver cirrhosis, pulmonary fibrosis, proliferative vitreoretinopathy, or alopeciarosis, or a hair growth agent.
9. (currently amended) The ALK5 inhibitor according to claim 7 or 8, which is an external medicine.
10. (original) A hair follicle proliferation stimulant, having an ALK5 inhibitor as an active constituent.
11. (original) A hair growth stimulant or a hair growth agent, having an ALK5 inhibitor as an active ingredient.

12. (original) A thiazole derivative represented by the formula



or a pharmaceutically acceptable salt thereof,

wherein:

X<sup>1</sup> and X<sup>2</sup> are different from each other and represent a sulfur atom or a carbon atom;

R<sup>1</sup> represents a phenyl group;

a phenyl group substituted by 1 to 5 members selected from the group consisting of halogen atoms, alkyl groups having 1 to 6 carbon atoms, alkoxy groups having 1 to 6 carbon atoms, a hydroxy group, phenylalkoxy groups having 7 to 12 carbon atoms, and alkylamino groups having 1 to 6 carbon atoms;

a phenyl group condensed with a 5 to 7 membered hetero aromatic or non-aromatic ring having at least one hetero atom selected from the group consisting of N, O, and S;

a pyridyl group;

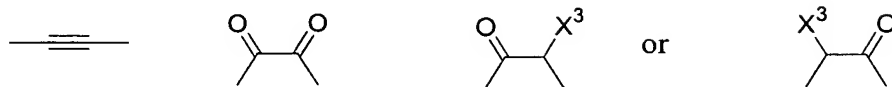
a quinolyl group;

an isoquinolyl group; or

a pyridyl group condensed with a 5 to 7 membered hetero aromatic ring having at least one hetero atom selected from the group consisting of N, O, and S;

R<sup>2</sup> represents a hydrogen atom, a halogen atom, an alkyl group having 1 to 6 carbon atoms, an alkyl group having 1 to 6 carbon atoms substituted with 1 to 5 halogen atoms, an alkoxy group having 1 to 6 carbon atoms, an alkanoyl group having 1 to 6 carbon atoms, or a hydroxyalkyl group having 1 to 5 carbon atoms; and

A<sup>1</sup> represents a group which is represented by the formula



wherein X<sup>3</sup> represents a hydrogen atom, a halogen atom, or an alkyl group having 1 to 6 carbon atoms.